

## Summary of DAT Conference Call 12/18/2007

Participants: EChappell(DWR), JSpeegle(FWS),  
JWhite(DFG), AChu(DWR), JSnow(WWD),  
LBartoo(FWS), BOppenheim(NOAA),  
TBoardman(SLDMWA), TWashburn(BR),  
RShahcheraghi(DWR), JAdib-Samii(DFG),  
KTotzke(KCWA), ADVorak(SWC), BFujimura(DFG),  
NHindman(FWS), JDuBois(DFG), ROlah(FWS)

### Conclusions and Recommendation

The salmon biologists recommend keeping the DCC gates closed to protect both winter and spring-run Chinook. The catch of older juvenile Chinook increased in both the Knights Landing and Sacramento Area beach seines last week indicating that the Chinook are starting to move into the Delta.

DFG completed the December FMWT survey. They caught a total of 11 delta smelt between the lower Sacramento River and Suisun Bay. The December index and the complete FMWT survey index will be available in early January 2008.

Judge Wanger's Interim Remedial Order on delta smelt was released last week. The first potential action, 1.B.3.a(1), starts after December 25<sup>th</sup>. This action is associated with the first winter pulse flow and commences within 3 days of the turbidity exceeding 12ntu at one of three locations, Prisoner's Point, Holland Tract, or Victoria Canal unless Sacramento River flows at Freeport exceed 80,000cfs. If the action is triggered, the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 2000cfs over the 10 day implementation period. The next action, 1.B.3.b(1) is immediately triggered following the first action or after January 15<sup>th</sup>, whichever comes first, and continues until there is evidence of spawning. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs using a 7-day average. The forecasted storms may be enough to trigger the first action next week so the operators are monitoring the turbidity data.

**Next DAT Conference Call Wednesday, 12/26/2007, 9:00 am - 11:00 am. 916/657-4111.**

## Chinook Monitoring

### Upper Sacramento River

Red Bluff Diversion Dam – Winter-run passage decreased following the peak associated with last week's rain event. Passage averaged 640 per day. So far passage this season is 1.43 million.

Late fall Chinook passage also decreased averaging 70 per day. Spring Chinook passage remained high averaging 5,100 per day. Fall Chinook passage increased averaging 6,000 per day. Steelhead passage remains low averaging 10 per day. Flows at Bend Bridge have decreased to approximately 5,600cfs but are expected to increase with the storms this week.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at [http://baydelta.ca.gov/Php/Special\\_Reports/red\\_bluff.php](http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php).

Mill Creek – The catch decreased last week. DFG caught 50 yearling spring-run and 2 steelhead. However the flows are expected to increase this week so the catch may increase too.

Deer Creek – DFG installed the rotary screw trap on December 13th. The flows remain low but are expected to increase this week. So far, DFG has caught 4 yearling spring-run and 2 steelhead.

Butte Creek – DFG has installed the rotary screw trap in the creek. For the period of December 7<sup>th</sup> to the 9<sup>th</sup> they caught 3 yearling and 2 fry Chinook.

GCID – The catch of older juvenile Chinook decreased ranging from 3 to 15 per day. The catch of fry Chinook ranged from 6 to 30 per day. The catch of adclipped Chinook decreased ranging from 1 to 3 per day. DFG also caught two steelhead.

Knights Landing – DFG caught three older juvenile and two adclipped Chinook last week.

### Delta Monitoring

In the last week, FWS caught older juvenile Chinook in the

Sacramento River beach seining and at Chipps Island. They also caught two delta smelt at Chipps Island.

Sacramento Kodiak Trawl - 3 sample days, 30 samples. No species of interest.

Lower Sacramento River seine – 1 sample day, 3 samples. FWS caught 4 older juvenile Chinook but no other species of interest.

Sacramento Area seine – 3 sample days, 19 samples. FWS caught 6 older juvenile and 2 adclipped Chinook.

North Delta seine - 1 sample day, 5 samples. No species of interest.

Central Delta seine - 1 sample day, 8 samples. No species of interest.

South Delta seine - 1 sample day, 6 samples. No species of interest.

Mossdale Kodiak Trawl - 3 sample days, 30 samples. No species of interest.

San Joaquin River seine - 1 sample day, 1 sample. No species of interest.

Chipps Island Midwater Trawl - 7 sample days, 80 samples. FWS caught 4 older juvenile and 8 adclipped Chinook. They also caught 2 delta smelt (62 and 67mm).

Bay seine - 1 sample day, 4 samples. No species of interest.

### Delta Smelt Monitoring

FMWT – DFG completed the December FMWT survey. They caught a total of 11 delta smelt between the lower Sacramento River and Suisun Bay. The December index and the complete FMWT survey index will be available in early January 2008. The indices for the September, October, and November surveys are posted at

<http://www.delta.dfg.ca.gov/data/mwt/>.

Judge Wanger's Order – the final interim remedial order on delta smelt was released last week. The first potential action, 1.B.3.a(1), starts after December 25<sup>th</sup>. This action is associated with the first winter pulse flow and commences within 3 days of the turbidity exceeding 12ntu at one of three locations, Prisoner's Point, Holland Tract, or Victoria Canal unless Sacramento River flows at Freeport exceed 80,000cfs. If the action is triggered, the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 2000cfs over the 10 day implementation period. The next action, 1.B.3.b(1) is immediately triggered following the first action or after January 15<sup>th</sup>, whichever comes first, and continues until there is evidence of spawning. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs using a 7-day average.

The daily turbidity data for the three stations listed in the order are available on CDEC (<http://cdec.water.ca.gov/>). The stations are Prisoner's Point (PPT), Victoria Canal (VCU), and Holland Tract (HOL).

#### Salvage Facilities –

Chinook – CVP salvaged 24 adclipped Chinook last week for a loss of 16. One non-clipped Chinook was also observed during a special study. No Chinook have been salvaged at SWP yet this season.

Steelhead – None.

Delta smelt – None.

Splittail – None.

Longfin smelt - None.

Sturgeon – None.

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

## Operations

### SWP -

CCFB – 3,500cfs

Oroville – 1,750cfs

X2 - > 81 km

E/I - 3-day ~52%

San Luis - ~633taf. SWP share of San Luis capacity is 1,062 taf.

EWA - The projected debt for the end of the year is approximately 40 to 50taf for SWP and approximately 5 to 10taf for CVP.

### CVP -

Tracy PP – 3,700cfs

DCC - closed. The gates were closed on December 14<sup>th</sup>.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 4,500cfs

Nimbus – 1,135cfs

Goodwin – 280cfs

San Luis - 596taf. CVP share of San Luis capacity is 966 taf.

### Flows

Sacramento River at Freeport ~ 10,670cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 1,400cfs

Delta Outflow ~ 4,100cfs. The 7-day average is 4,400cfs.

Turbidity – average daily values for December 16<sup>th</sup>.

Prisoner's Point ~ 3.36ntu

Holland Tract ~ 4.48ntu

Victoria Canal ~ 2.86ntu

## Delta Water Quality

The Delta is in balanced conditions. Salinity levels are starting to increase but remain below concern levels. The operators will continue to monitor water quality closely.

### December Water Quality Standards –

Delta Outflow – monthly average  $\geq$  4,500cfs, 7-day

average  $\geq 3,500$ cfs.

Delta Cross Channel – The gates may be closed for up to 45 days for the protection of Chinook between November 1<sup>st</sup> and January 31<sup>st</sup>.

E/I Ratio – 65%

Rio Vista – monthly average  $\geq 4,500$ cfs, 7-day average  $\geq 3,500$ cfs.

Contra Costa Canal – CI  $\leq 250$  mg/L. In addition, CI  $\leq 150$  mg/L for 165 days per year. This portion of the standard has been met for the year.

South Delta – 30-day average EC  $\leq 1.0$ .

Suisun Marsh -  $\leq 15.5$ mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://www.woco.water.ca.gov/calfedops/datsummaries.html>.

*Erin Chappell*

Environmental Scientist

DWR-DES

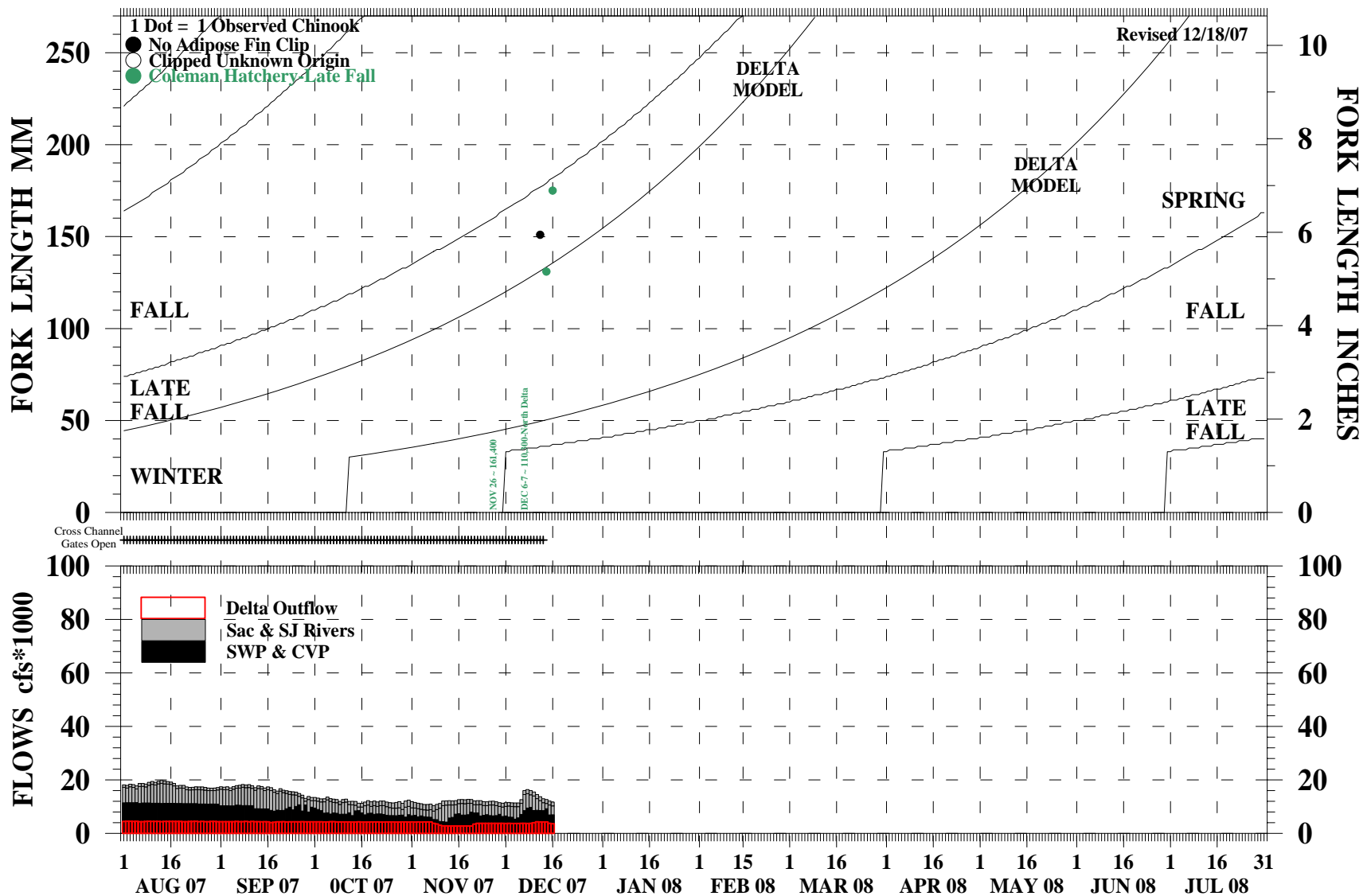
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# OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/07 THROUGH 12/16/07



# Salmon Salvage and Loss

From 01-Oct-07 to 16-Dec-07

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Late Fall run at CVP facility		Adipose Clipped		Not Clipped	
	Sample Date	Salvage	Loss	Salvage	Loss
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	12/12/2007	0	0	0	0
	12/16/2007	12	9	0	0
Sum of Late Fall run at CVP		12	9	0	0
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Winter run at CVP facility		Adipose Clipped		Not Clipped	
	Sample Date	Salvage	Loss	Salvage	Loss
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	12/14/2007	12	8	0	0
Sum of Winter run at CVP		12	8	0	0
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Sum of all races at CVP		24	16	0	0
Total for 10/1/2007 to 12/16/2007		24	16	0	0